

# INTERNATIONAL SEARCH REPORT

ational Application No

PCT/GB2004/050014

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G06K9/00 G07C9/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G06K G07C G03H

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0 585 141 A (HAMAMATSU PHOTONICS KK) 2 March 1994 (1994-03-02)  abstract column 9, line 9 - line 24; figure 3 column 11, line 30 - line 55; figure 5 -----	1-7, 26-33, 35-37
Y	EP 0 703 094 A (I D T E C S L) 27 March 1996 (1996-03-27)  abstract column 4, line 39 - line 51; figures 1-3 column 5, line 21 - column 6, line 43 ----- -/-	1-7, 26-33, 35-37

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

15 December 2004

Date of mailing of the international search report

28 07. 2005

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 712 912 A (STOIANOV ALEXEI ET AL) 27 January 1998 (1998-01-27) abstract column 3, lines 17-41 column 6, lines 28-34 -----	3,5,29, 30
Y	GB 2 313 944 A (JAYAMANNE DON GERARD ROHAN) 10 December 1997 (1997-12-10) abstract page 2, lines 1-4 -----	4,27
Y	WO 00/33142 A (KOPPA PAL ; RICHTER PETER (HU); SZARVAS GABOR (HU); L & ODBLAC (HU); U) 8 June 2000 (2000-06-08) abstract page 5, line 21 - page 6, line 7 figures 1a,1b -----	6,28,31
P,A	US 2004/066273 A1 (RIETZLER MANFRED ET AL) 8 April 2004 (2004-04-08) abstract paragraphs [0036], [0051] - [0061] -----	35-37

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB2004/050014

## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful international Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-7, 26-33, 35-37

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

## INTERNATIONAL SEARCH REPORT

International Application No. PCT/ GB2004/ 050014

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-7,26-33,35-37

Data carrier and methods for creating and reading it, where the data carrier comprises a hologram of a biometric image, and second data which are verifiable by the hologram data.

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2. claims: 8-12

Apparatus for recording a biometric image in a hologram.

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3. claims: 13-16

Data carrier with a (any) hologram and a second data bearing device.

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4. claims: 17-25

Apparatus for recording a hologram with a spatial light modulator.

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5. claim: 34

Apparatus for reading a data carrier carrying a hologram, by imaging the reconstructed hologram image.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/050014

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0585141	A	02-03-1994	JP 3378032 B2	17-02-2003
			JP 6076128 A	18-03-1994
			DE 69330416 D1	16-08-2001
			DE 69330416 T2	29-05-2002
			EP 0585141 A2	02-03-1994
			US 5815598 A	29-09-1998
EP 0703094	A	27-03-1996	ES 2102296 A1	16-07-1997
			ES 2105936 A1	16-10-1997
			AU 1707795 A	09-10-1995
			EP 0703094 A1	27-03-1996
			US 5787186 A	28-07-1998
			CA 2163341 A1	28-09-1995
			CN 1128006 A ,C	31-07-1996
			EP 0805409 A2	05-11-1997
			ES 2102307 A1	16-07-1997
			WO 9525640 A1	28-09-1995
US 5712912	A	27-01-1998	AU 4710996 A	26-02-1997
			WO 9705578 A1	13-02-1997
			US 5737420 A	07-04-1998
			US 6002770 A	14-12-1999
GB 2313944	A	10-12-1997	NONE	
WO 0033142	A	08-06-2000	HU 9802755 A2	28-06-2000
			AU 1578300 A	19-06-2000
			CA 2352232 A1	08-06-2000
			EP 1133717 A1	19-09-2001
			WO 0033142 A1	08-06-2000
			JP 2002531880 T	24-09-2002
US 2004066273	A1	08-04-2004	AU 2003255949 A1	23-01-2004
			CA 2492004 A1	15-01-2004
			EP 1552464 A1	13-07-2005
			WO 2004006165 A1	15-01-2004